

## MULTIPOSITIONAL APPARATUS FOR HANGING THINGS

This invention relates to apparatus for hanging clothing and accessories and the like and more particularly to apparatus that are hung on any projecting member, such as a peg on the door or wall of a clothes closet.

Clothes closets have limited space. Items such as hats, ties, belts, shoes, bras etc. are hard to store. It would be very helpful to have a device for the storage of all of these items.

Sometimes, a hanging device is satisfactory but there is no room for it because it is too long. It would be advantageous to have a device for hanging items such as hats, ties, belts, shoes, bras, etc. that is adjustable in size and shape.

Various devices may be available on which to hang clothing and accessories such as hats, ties, belts, bras etc. but the cost of manufacturing them makes their price less attractive, they are too complex and/or they are not adjustable in size and shape. For example, U.S. Patent No. 4,034,865 to Batts et al., U.S. Patent No. 4,709,838 to Campbell, U.S. Patent No. 4,863,043 to Bowen, U.S. Patent No. 5,282,553 to Ibled and U.S. Patent No. 5,642,841 to Beaty disclose various apparatus for hanging accessories.

The present invention can be made out of standard metal clothes hangers and a chain and is adjustable. It consists of a main body made of a chain and has hooks protruding from various links in the chain. The apparatus of the present invention can be held up and hung from its end hook or from various intermediate hooks. The selection of the hook will determine the size and shape of the apparatus while it is in operation.

### OBJECTS AND ADVANTAGES

The following important objects and advantages of the present invention are:

(1) to provide a device for conveniently hanging clothing and accessories such as ties, belts, hats, bras, shoes,

(2) to provide a device that allows hanging clothing and accessories such as listed above that can be adjusted in length and shape, and

(3) to provide a device for hanging hats, ties, belts, shoes, bras, etc. that is so simple to construct that it can be made by anyone out of simple metal clothes hangers and simple chains.

### BRIEF DESCRIPTION OF THE DRAWINGS

FIG. 1 is a front view of the apparatus of the present invention ready to be hung by the end hook.

FIG. 2 is a side view of the apparatus of the present invention ready to be hung by the end hook.

FIG. 3 is a front view of an alternative configuration showing the apparatus of the present ready to be hung by an intermediate hook.

### DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENT

In order to better understand the present invention in conjunction with the drawings of FIGS. 1-3, the apparatus of the present invention is assigned reference numeral 10 and its elements are described and assigned the reference numerals identified below. FIG. 1 depicts a front view showing the primary configuration of the multipositional apparatus 10 of the present invention for hanging articles of clothing or the like. In that configuration the apparatus 10 can be hung by what will be described below as its end hook. FIG. 3 is a front view of an alternative configuration of the apparatus 10.

As seen from FIGS. 1-3, the main body 20 of apparatus 10 is flexible and is made of a

series of intertwined rigid links 20 including a first end link 20a, a series of intermediate links 20b, 20c, 20d, 20e, 20f, 20g, 20h, 20i, 20j, 20k, 20l, 20m, 20n, 20o, 20p, 20q, 20r, 20s, 20t, 20u, 20v, 20w, 20x, 20y, 20z and a second end link 20zz, a plurality of hooks 30 soldered to and projecting from links 20, including at least several intermediate hooks 30b, 30c, 30d, 30e, 30f that project perpendicularly from a segment 24 of the series of intermediate links 20b, 20c, 20d, 20e etc.

Besides soldering hooks 30 may be connected to rigid links 20 by any suitable means.

End hook 30a projects from the first end link 20a. Hooks 30 each contain a straight portion 32 and a curved portion 34. Curved portion 34 is shaped so as to receive articles and to be hung on a projecting member such as a peg or other rodlike projection (not shown).

Accordingly, end hook 30a projects from first end link 20a such that the straight portion 32 of end hook 30a is aligned collinearly with an imaginary axis of the segment 24 of the series of intermediate links 20b, 20c, 20d, 20e etc. that is nearest end hook 30a

Apparatus 10 can be hung up on a wall or door or elsewhere where there is a peg or other projection by placing one of the hooks 30 of apparatus 10. Apparatus 10 is adjustable in length and shape and is configurable so that more than one hook can be selected to hang the apparatus on and still allow either all of the remainder or, in some configurations most of the remainder, of the plurality of hooks 30 to face upward and thereby allow articles to be hung easily on the curved portions thereof. Depending on which hook 30 is used to hang apparatus 10 on, the shape or configuration of apparatus 10 changes. The apparatus 10 of the present invention permits one to select a hook 30 that allows all or most of the remaining hooks 30 to be facing upward and be able to receive articles for hanging. Due to the configuration of the hooks on apparatus 10, most of the hooks 30 of apparatus 10 are suitable for this.

It should be noted that the best position of hooks 30 for hanging accessories or clothing is that with the curved portions 34 of hooks 30 facing upward. When curved portion 34 of a particular hook 30 is facing downward, the item can still be hung but the possibility of slipping off the hook 30 is much greater.

In its primary configuration as seen in FIG. 1, when end hook 30a is selected to be the hook on which apparatus 10 is hung, i.e. is the selected hook, intermediate hooks 30b, 30c, 30d, 30e, 30f (all nonselected hooks) face upward which allows articles such as ties, belts, bras, hats etc. to be hung on the curved portion 34 of intermediate hooks 30b, 30c, 30d, 30e, 30f. When the apparatus 10 is hung by intermediate hook 30b, i.e., when intermediate hook 30b is the selected hook, intermediate hook 30b being the intermediate hook nearest the end hook 30a, then end hook 30a and intermediate hooks 30c, 30d, 30e, 30f face upward and allow articles to be hung on the curved portion 34 of end hook 30a and intermediate hooks 30c, 30d, 30e, 30f. When the apparatus is hung by intermediate hook 30c, i.e. intermediate hook 30c is the selected hook, the configuration depicted in FIG. 3, then end hook 30a and intermediate hooks 30d, 30e, 30f face upward thus allowing articles to be hung on the curved portion 34 of end hook 30a and intermediate hooks 30d, 30e, 30f. Only intermediate hook 30b faces downward. Finally, when the apparatus is hung by intermediate hook 30d, i.e. intermediate hook 30d is the selected hook, then end hook 30a and intermediate hooks 30c, 30e, 30f face upward thus allowing articles to be hung on the curved portion 34 of end hook 30a and intermediate hooks 30c, 30e, 30f. Only intermediate hook 30b faces downward.

Thus apparatus 10 can be configured in length and shape depending upon how much room exists where the apparatus is being hung. For example, if apparatus 10 is hung near the floor,

configuration depicted in FIG. 3, with hook 30c being used to hang apparatus 10, is preferable to the configuration shown in FIG. 1 since the length of apparatus 10 is shortened when configured as seen in FIG. 3.

It is contemplated by the present invention that apparatus 10 of the present invention can be designed with additional or fewer links 20 from those links 20 shown in FIGS. 1-3 so that main body 10 is longer or shorter. Furthermore, apparatus 10 can also be designed with additional hooks beyond 30a, 30b, 30c, 30d, 30e, 30f or with fewer hooks. If additional hooks 30g, 30h, etc. are included in apparatus 10 they may be placed on any suitable link 20. Preferably, additional hooks 30g, 30h should be placed on links 20 so that they face upward and allow articles to be hung thereon when apparatus 10 is configured in as many configurations as possible.

It is to be understood that while the apparatus of this invention have been described and illustrated in detail, the above-described embodiments are simply illustrative of the principles of the invention. It is to be understood also that various other modifications and changes may be devised by those skilled in the art which will embody the principles of the invention and fall within the spirit and scope thereof. It is not desired to limit the invention to the exact construction and operation shown and described. The spirit and scope of this invention are limited only by the spirit and scope of the following claims.